

Accelerated Site Technology Deployment

Containerized Vat Leach

Los Alamos National Laboratory

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STATUS

7/27/2001

LA-LP-01-196/1

Betty Strietelmeier standing in front of an unsorted soil pile



Chunk of partially oxidized depleted uranium



Well-oxidized depleted uranium



View of the site from the road



Betty Strietelmeier loading soil onto the conveyor belt for sluicing



Detail of soil pile sorted by the Tornado Star



Sluice and soil drying tray



Side view of sluice



Close-up of soil fines separated by sluicing



Soil leach tanks and their associated neutralization tanks



Soil leach tank and its associated neutralization tank



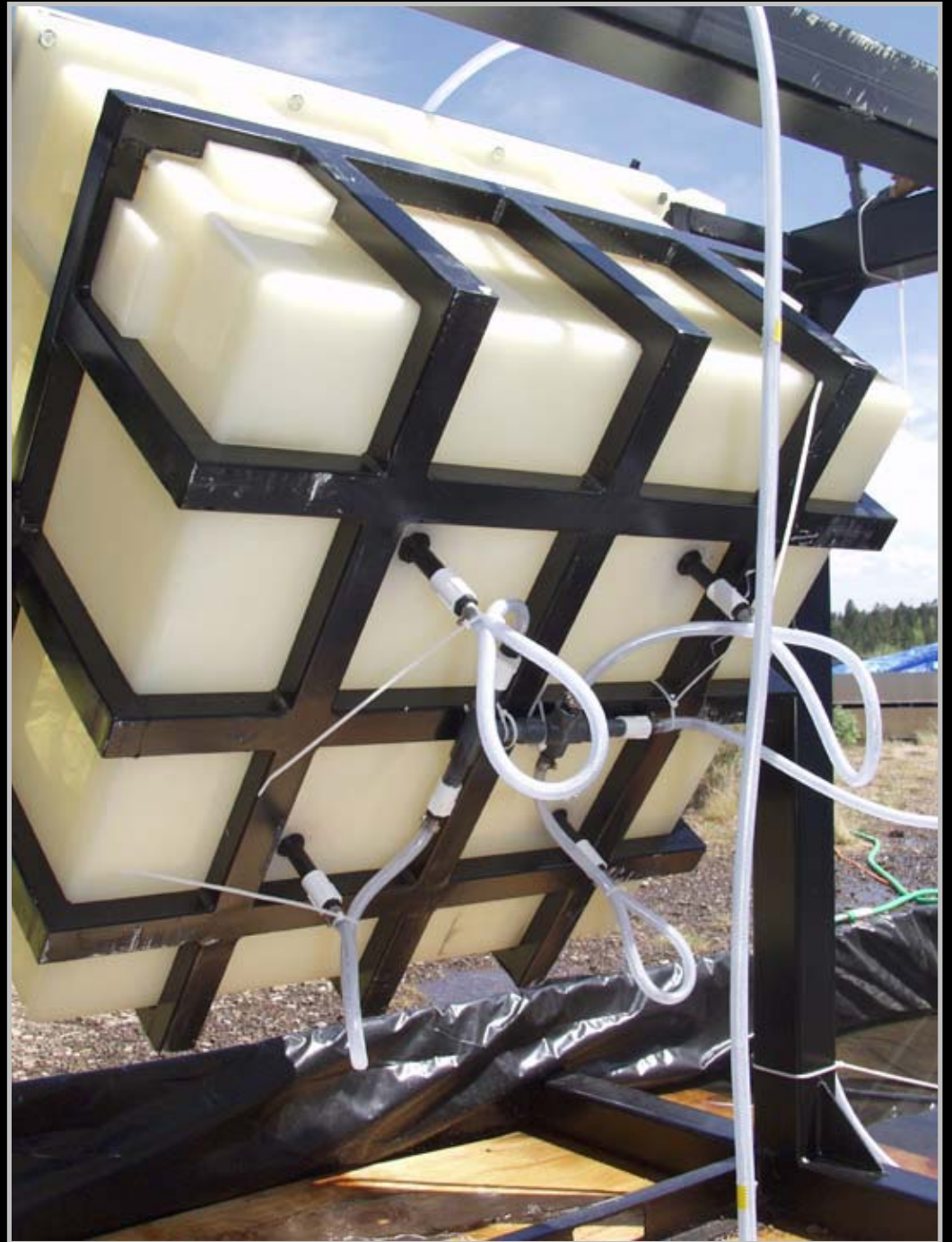
Betty Strietelmeier rotating soil leach tank



Detail of the top of the soil leach tank



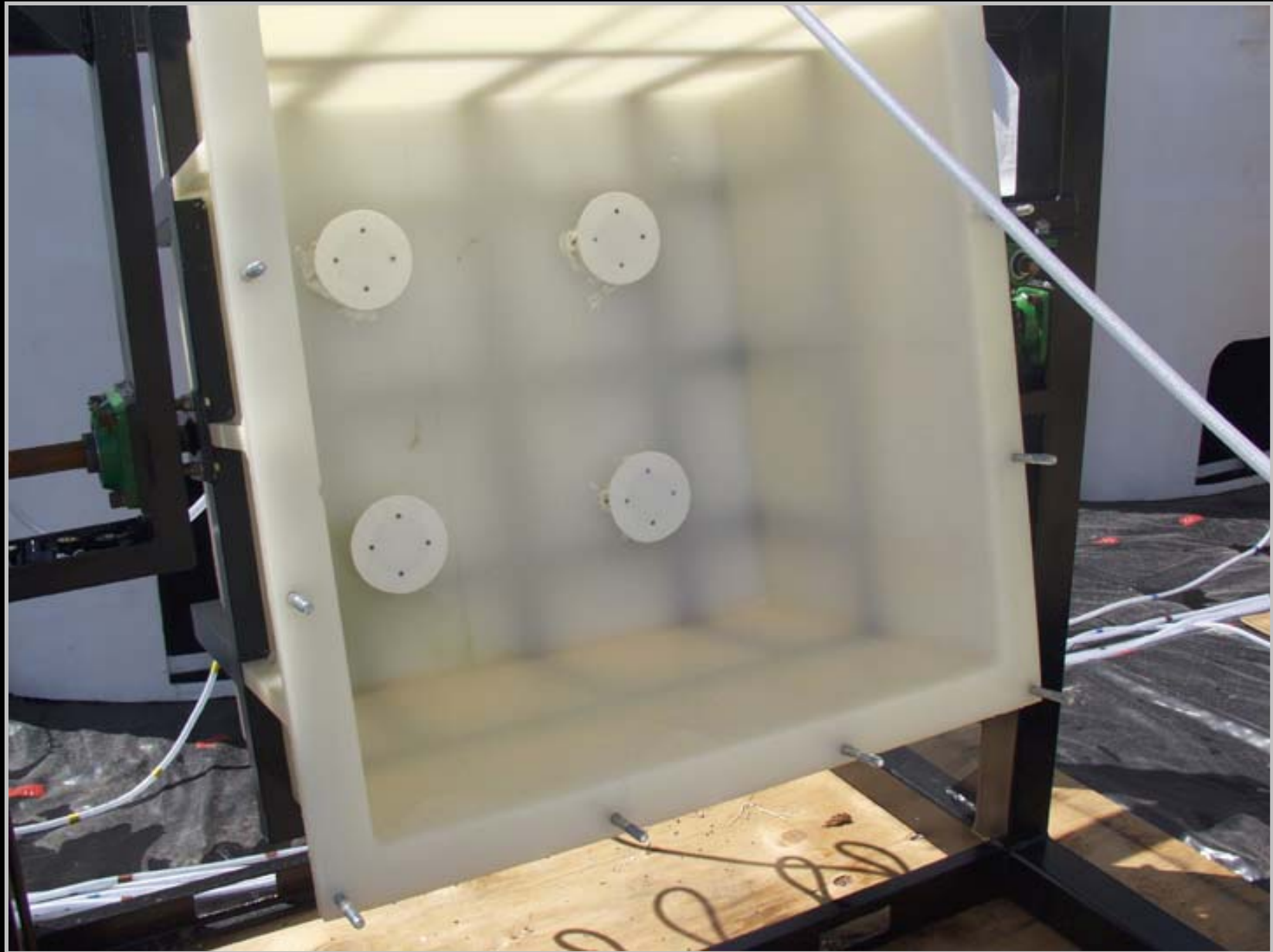
Detail of the bottom of the
soil leach tank



Betty Strietelmeier opening the soil leach tank



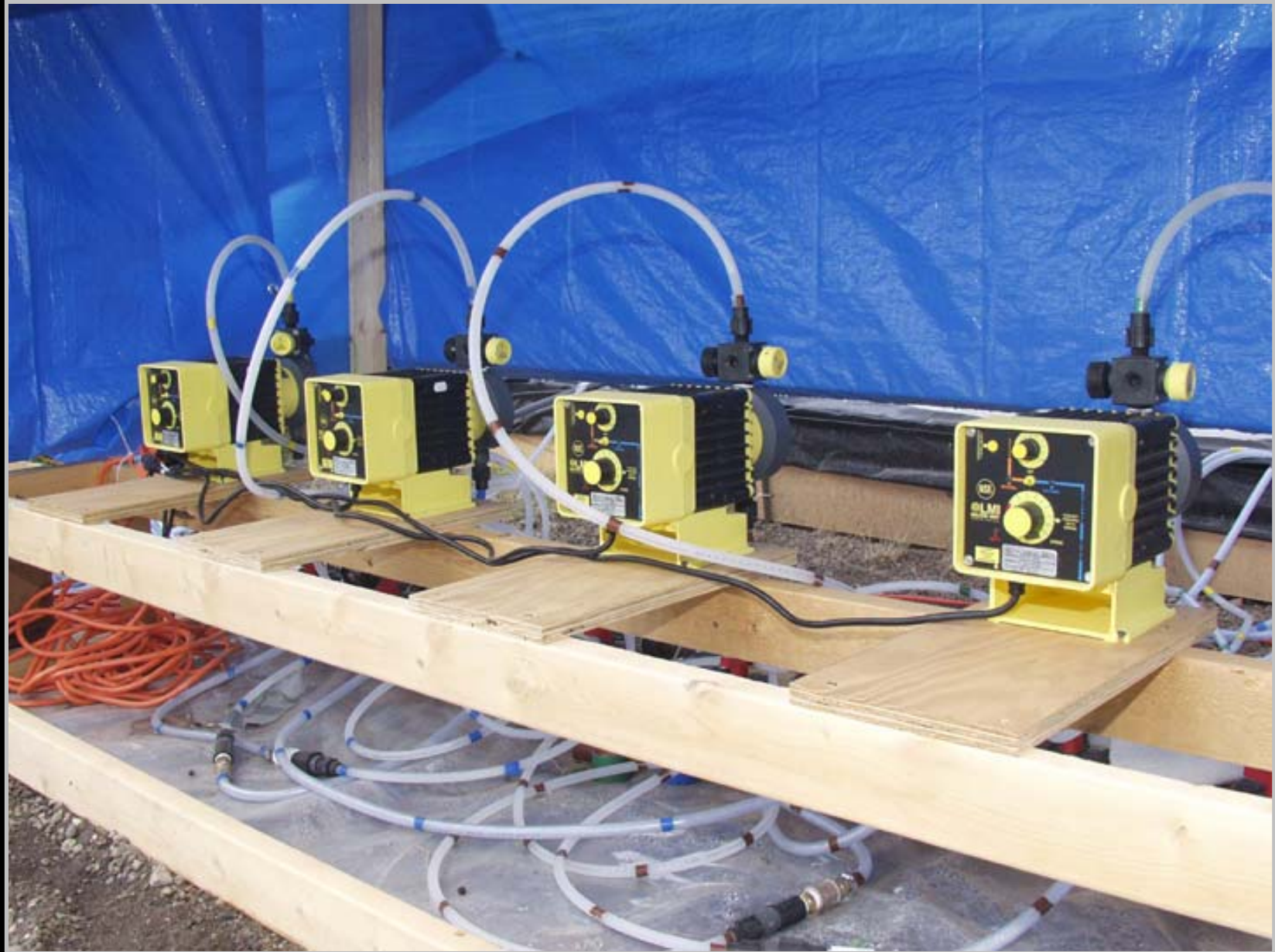
Soil leach tank internal view



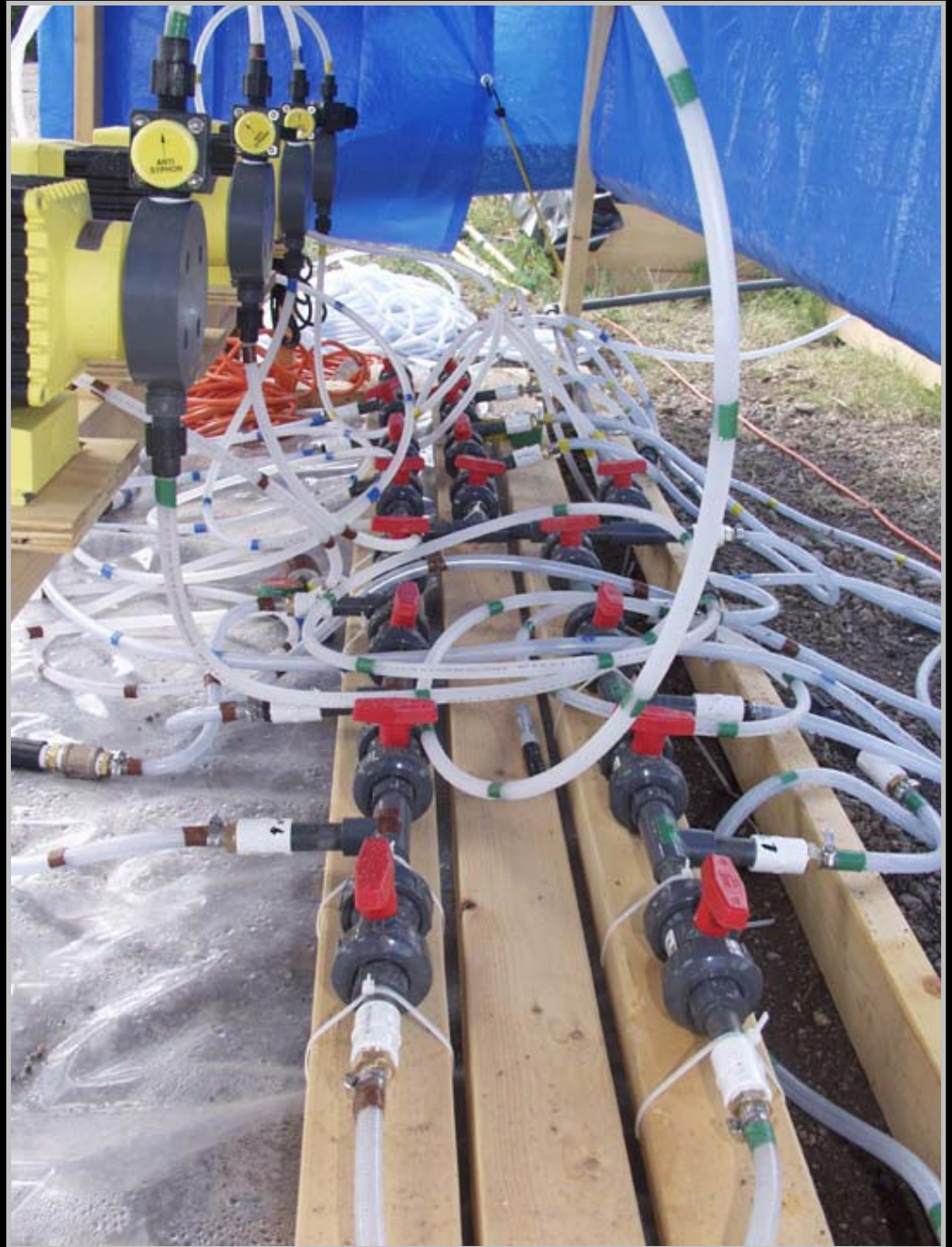
Water tank (left) and sodium bicarbonate reservoir (right)



Electronic metering pumps



Pump manifold



Bicarbonate tank mixer



400 gallon concentrated phosphoric acid tote



Treated solution storage tank



Apatite columns



Inside the trailer



The forklift

